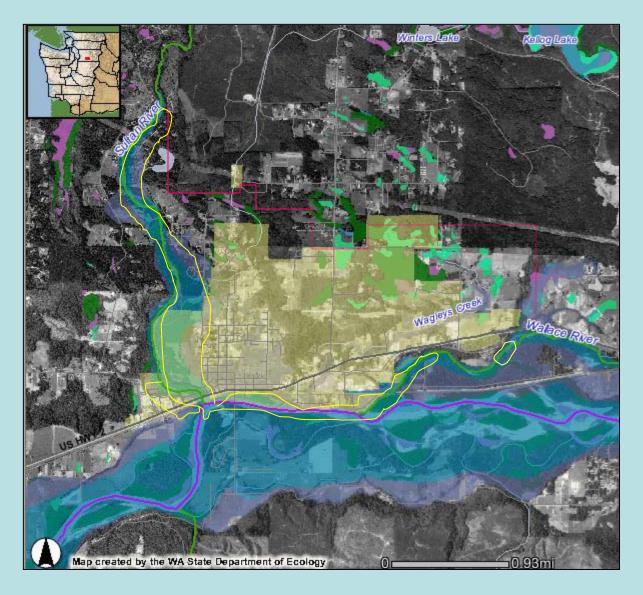
Shoreline jurisdiction characterization Map preliminary shoreline jurisdiction-





Analyze information collected during inventory

Example: Sultan preliminary wetland mapping:

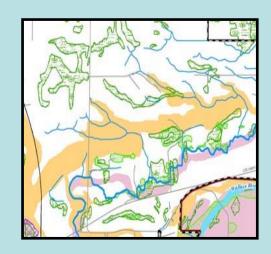
- Three sets of maps ranging from NWI to locally surveyed wetland delineations.
- Cross-comparison of wetland maps, hydric soils map and orthophoto to assess data layer accuracy.
- Document data sources and analysis methods for characterization report.



NWI WETLAND

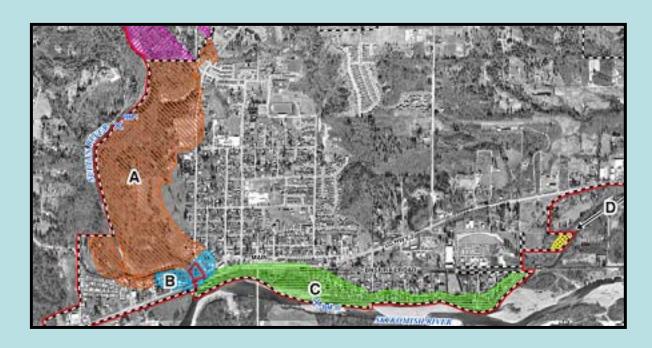


ORTHO PHOTO



LOCALLY SURVEYED WETLANDS

Divide shoreline into reaches:



- Use land use, zoning and ownership
- Confluence of streams and tributary input points
- City boundary versus UGA
- Width of riparian vegetation versus developed area along stream banks
- Document basis for separation into each reach for characterization report

Map relevant layers:

REACH A

Characterize each reach:

- dominant current and planned land use (e.g. currently pasture & residential, planned low to moderate residential development)
- primary environment / use issues (e.g. flooding, public access)
- critical ecological functions

 (e.g. flood water storage
 capacity of adjacent wetlands;
 riparian vegetation provides
 bank stability sediment trapping
 from runoff and habitat)

Field work -

Bring to the field:

 Printed zoomed photos indicating preliminary reaches with zoning, wetlands, soils, and jurisdictional boundaries



2) List of identified data gaps

Hydric soils indeterminate at North reach A

Check riparian density East reach C

Check possibility to extend public trail reach A

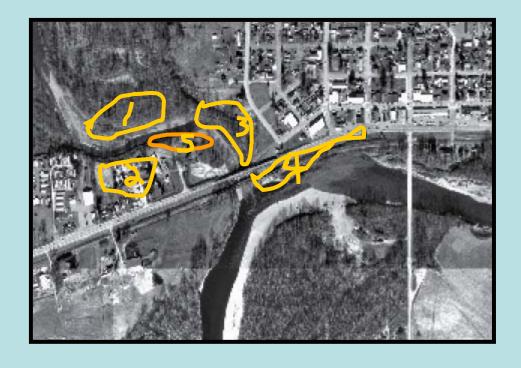
Potential wetlands in reach B along tributary

In the field:

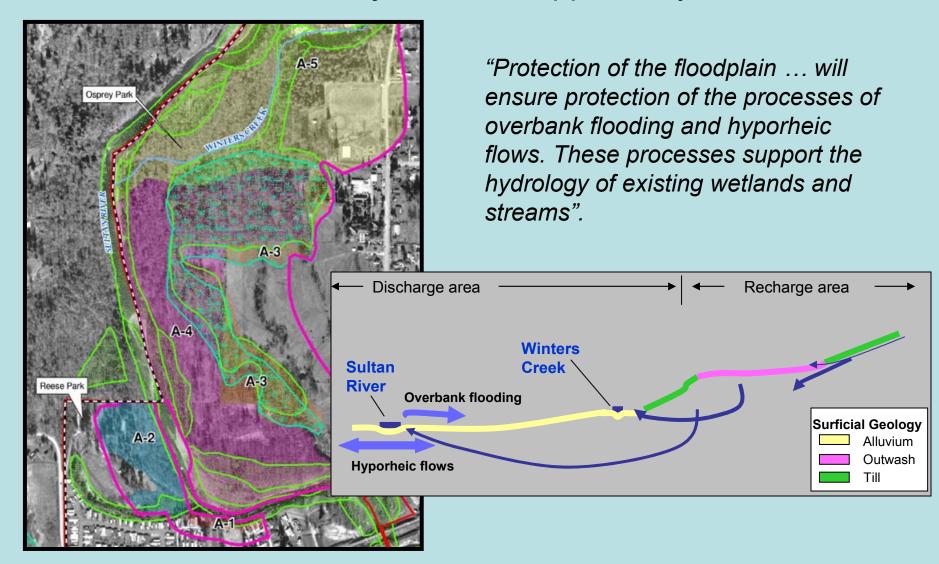


Apply prior determined broad characterizations such as-

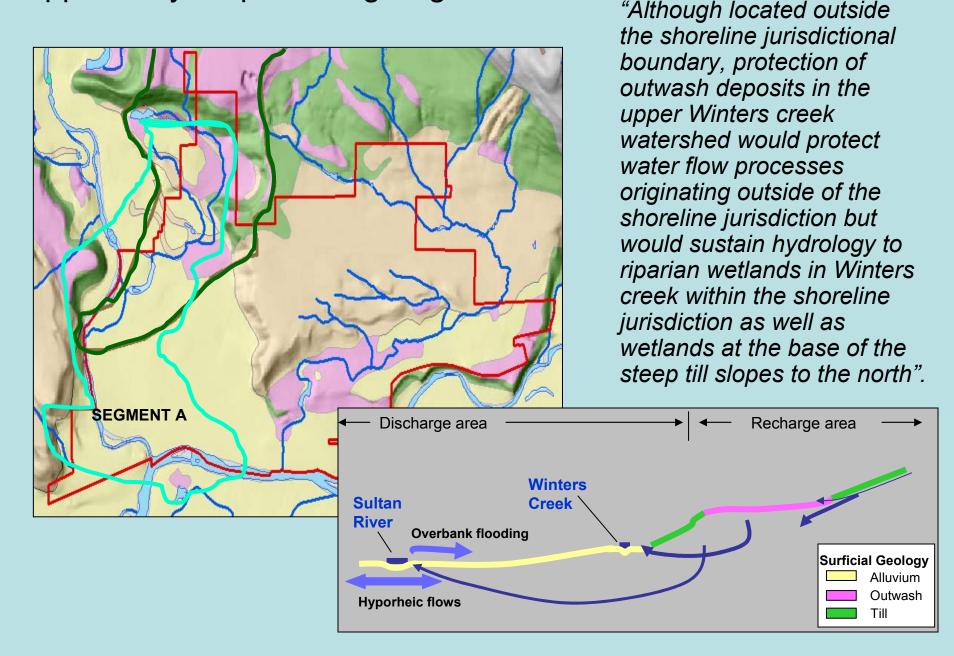
- 1. mixed age deciduous/coniferous forest 50-200 feet wide
- 2. residential development to edge of shoreline;
- 3. bank armoring with no streamside cover;
- 4. narrow deciduous riparian fringe 5-20 feet wide;
- 5. unvegetated gravel bar;
- 6. wetland bench;
- 7. golf course etc.



Integrate landscape characterization findings into identification of shoreline jurisdiction opportunity areas



Opportunity for protecting Segment A



Recommend new environment designations and document rationale.

PI Se	anning gment	Existing Shoreline Environment Designation (Snohomish County SMP)	Intent or Purpose (Snohomish County SMP)	Preliminary Recommended Environment Designation	Rationale	
	A	Conservancy, Rural and Urban (east bank); Conservancy and Urban (west bank)	Conservancy: The objective in designating a Conservancy Environment is to protect, conserve, enhance and manage existing natural resource areas and valuable historic and cultural areas. This should be done in a manner that will insure recreational benefits to the public, or achieve sustained resource utilization without substantial adverse modification of shorelines or topography. Rural: The objective of designating a Rural Environment is to protect agricultural land from urban expansion, restrict intensive development	Natural Urban Conservancy Aquatic (portions of the Sultan River waterward of the ordinary high water mark)	Segment A along the Sultan River consists of parks and open space, floodplain, and wetlands, with limited single- family residential development.	
			along undeveloped shorelines, function as a buffer between urban areas, and maintain open spaces and opportunities for recreational and other uses. Segment A	CEDAR AVE		- Control of the cont
		nment Designations nservancy			MAIN ST	
	Pla X Riv	nning Segment er Mile stercourse	Segment B		Segment C	SKYKOMISH

Key points:

- Encourage Ecology and public participation early on.
- Inventory: First use all available, relevant information.
- Field work follows inventory for data validation and addressing data gaps.
- Analysis steps:
 - 1. Note the obvious.
 - 2. Determine water flow processes through landscape scale characterization
 - 3. Characterize shoreline jurisdiction (reach-scale); incorporate findings from landscape analysis to assess ecosystem function
 - 4. Identify opportunities for protection, restoration, public access and shoreline use.
- The final analysis integrates findings in an accessible manner.
 It will be used by the local citizenry to inform decisions about where they live.